

# Work Order ID 84336

**\*84336\***

Page 1

Wednesday, May 09, 2012 4:16:47 PM

Item ID: D205-704-013      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Copilot Emergency Cargo Release  
Start Date: 5/9/2012      Start Qty: 1.00      **\*1\***      Cust Item ID:  
Required Date: 5/11/2012      Req'd Qty: 1.00      **\*1\***      Customer:  
Reference: ECN 12-583 - **REWORK**

Approvals:      Process Plan: ME      Date: 12-05-09      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr	
150		0.00
<b>*150*</b>		
Small Fab		0.00
Small Fab		
	Memo	
	PULL FROM STOCK D205-704-013 X 1 B68691	
	REMOVE D205-704-043 FROM KIT	
	REWORK TO DSI 9611 (ECN 12-583)	
	REMOVE AN3-13A BOLT AND SCRAP	
	REPLACE WITH AN3-10A B X 1	
	<b>120873</b>	
160		0.00
<b>*160*</b>		
QC		0.00
Quality Control	Memo	
	QC5- Inspect part completeness to step on W/O	

**1X**      **12/05/15**  
**11**      **12/05/15**

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**\*84336\***

Wednesday, May 09, 2012 4:16:47 PM

**Accept**

**\*N900040100\***

Setup Start \*NS1\*

Stop \*NS2\*

**Start Date:** 5/9/2012      **Start Qty:** 1.00      **\*1\***

**Cust Item ID:**

**Required Date: 5/11/2012      Req'd Qty: 1.00      \* 1 \***

**Customer:**

**Reference:** ECN 12-583

**Approvals:**      **Process Plan:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Tooling:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop \*NR2\*

### Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
QtyReject  
Number

Insp.  
Stamp

170

Identify as per dwg & Stock Location: 22

0.00

\*170\*

### Packaging

## Memo

0.00

## Packaging

ID AND STOCK UNDER NEW BATCH NUMBER AND AT CHANGE 003

180

QC21- Final Inspection - Work Order Release

0.00

**\*180\***

QC

## Memo

0.00

## Quality Control

12/5/16 ~~AD~~

MCU 12/05/15

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, May 09, 2012 4:16:46 PM

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Work Order ID: 84336

Parent Item: D205-704-013

Parent Item Name: Copilot Emergency Cargo Release

Start Date: 5/9/2012

Required Date: 5/11/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:B05.01.28Hardware added to Step 3KJ/RF  
IPP Rev:C05.12.21Hardware removed on Step 3 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-10A Bolt		Purchased	No				Each	238.0000		1		12/05/15	
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				GA		14							
				119084		14							
				ST351		224							
				117795		2							
				120873		222							
D205-704-013 Copilot Emergency Cargo Release		Manufactured	No				Each	0.0000		1			

1 X 68691 ME 12-05-09

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Wednesday, April 20, 2011 8:23:28 AM

Page 1

**Parent Item:** D205-704-013






**Parent Item Name:** Copilot Emergency Cargo Release

**Start Date:** 4/20/2011**Required Date:** 4/25/2011

**Start Qty: 2.00**

**Required Qty: 2.00**

**Comments:** IPP Rev:B 05.01.28 Hardware added to Step 3 KJ/RF  
IPP Rev:C 05.12.21 Hardware removed on Step 3 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MS35489-10 		Purchased	No			110	Each	10.0000	2	4			
Grommet													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST296				10					
				14604				10					
D205-704-043 		Manufactured	No			120	Each	0.0000	1	2			
Cable Assembly (205)													
D3207-1 		Manufactured	No			120	Each	8.0000	1	2			
Bracket													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST202				8					
				35831				8					
D3207-3 		Manufactured	No			120	Each	17.0000	1	2			
Bracket													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST202				17					
				60247				17					
D3208-1 		Manufactured	No			120	Each	7.0000	1	2			
Doubler													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST202				7					
				64827				7					

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



## List Lots

Page 1 of 1

Wednesday, May 09, 2012 4:11:52 PM

Criteria : Item ID: D205-704-013 All Locations All Warehouses All Quantity							
Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt Lot Code	Type Code	Comments
D205-704-013 Copilot Emergency Cargo Release	Main Warehouse FG022	68691	11/21/2011	1.0000	QC21	CHG001	
Total:				1.0000			

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND IIN-D412-704 REV. C OR EARLIER  
AND ICA-D412-704 REV. 4 OR EARLIER

REF CANADIAN STC SH93-34

REF FAA STC SR00957NY

REF EASA STC EASA.IM.R.00696

## PURPOSE

The purpose of this Dart Service Instruction is to correct part number error in Installations Instruction IIN-D412-704 Rev. C or earlier and Instructions for Continued Airworthiness ICA-D412-704 Rev. 4 or earlier. The AN3-13A bolt should be replaced with an AN3-10A bolt in Figure 5 - Detail L in IIN-D412-704 and Figure 25-4 Detail L in ICA-D412-704. See sheet 2.

## PART LIST CORRECTION

Revise Part Lists in IIN-D412-704 & ICA-D412-704 as follows:

### NOW

Qty -043	Qty -045	Part Number	Description
X		D205-704-043	CABLE ASSEMBLY (205)
	X	D412-704-045	CABLE ASSEMBLY (210/212/214/412)
1	1	AN3-10A	BOLT

### WAS

Qty -043	Qty -045	Part Number	Description
X		D205-704-043	CABLE ASSEMBLY (205)
	X	D412-704-045	CABLE ASSEMBLY (210/212/214/412)
1	1	AN3-13A	BOLT




# 84336

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 12.05.07  
CERT. NO.: SH93-34  
ISSUE NO.: 2

A	NEW ISSUE (REF PAR	RF	12.05.07
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9611	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		PART NUMBER CORRECTION	NTS
DATE	12.05.07	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

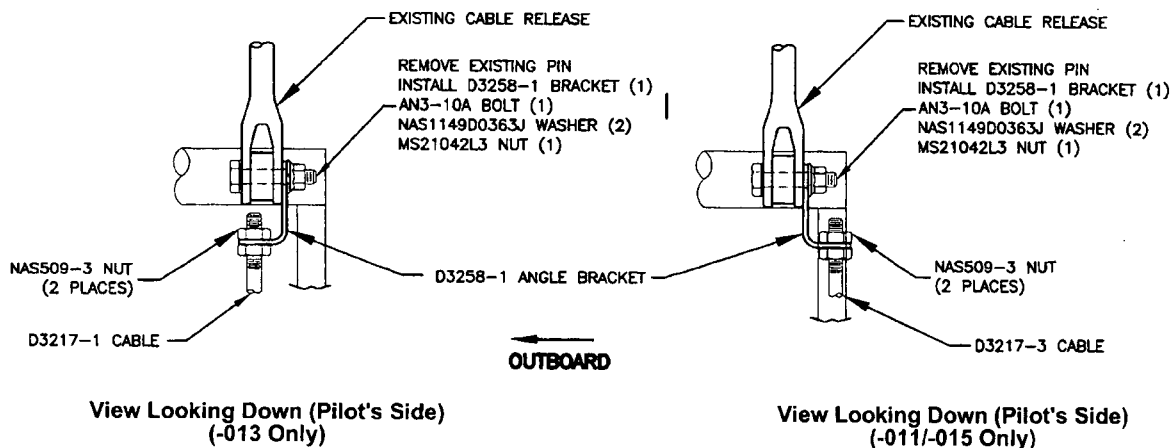
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## FIGURES CORRECTION

Revise Detail L Figure 5 of IIN-D412-704 and Detail L Figure 25-4 of ICA-D412-704 as follows:

### NOW



### WAS

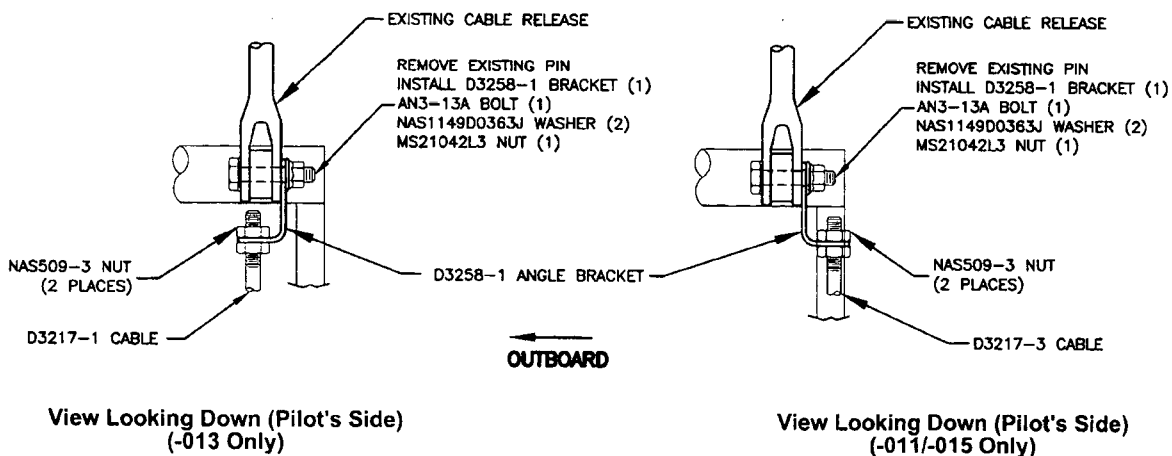


Figure 5 - Detail L or Figure 25-4 - Detail L

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 12.05.07  
CERT. NO.: SH93-34  
ISSUE NO.: 2

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<del>RF</del>	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9611	SHEET 2 OF 2
APPROVED	<del>RF</del>	TITLE	SCALE
DE APPR.	<del>RF</del>	<b>PART NUMBER CORRECTION</b> NTS	
DATE	12.05.07	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

Date: 12.05.07	Job No.:	ADR Yes/No: N	ADR Date:	ECN #: 12- 583
Product No.: D412-704		Created By: RF	Approved By: <i>[Signature]</i>	
Product Name: Copilot's Emergency Cargo Release Kits		Checked By: <i>[Signature]</i>		

Distribution	Reqd	Resp	Initial / Date
Production Manager / Coord.	Y	LL/	
Purchasing Coord.	Y	EL	
Production Engineering Coord.	Y	EC/DD	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord.	N		
QC Coordinator	N		
Customer Technical Support	Y	MB/DS	
Marketing	Y	SW	
Customer Order Processing	N		

**Reason for Change:** Revise Drawing per PAR12-162 feedback  
Product Improvement

**Documents Affected:**  
MDL-D412-704 Rev. B  
DSI 9611 Rev. A  
D3207 Rev. C

PARTS MUST COMPLY

PREVIOUS PARTS SATISFACTORY

☒

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N			
5	Update Master Document List (MDL)	Y	RF	MDL-D412-704 Rev. B	<i>[Signature]</i> 12.05.07
6	Update Product Compatability Matrix	N			
7	Create Eurocopter Form (FEE)	N			
8	Notify TC / FAA of Change	N			
9					

#	Document Control Actions	Reqd	Resp	Notes	Complete
10	Move Electronic Files/Design Journal	N			
11	Update Product Specification Files	Y	KJ		12.05.09 <i>[Signature]</i>
12	Update Approved/Preliminary Dwg PDF Files	Y	KJ		12.05.09 <i>[Signature]</i>
13	Update Document Record (DR)	N			
14	Update Product Development Summary	N			
15	Update QSI 021 and/or STC Approval List	N			
16	Update Parts / STC Database	N			
17	Update / Verify ARC Database	N			
18	Create / Update Change Record Form / Item Card Database	Y	KJ	See below	12.05.09 <i>[Signature]</i>
19	Create / Update PPP's	Y	KJ		12.05.09 <i>[Signature]</i>
20	Red Decals required?	N			
21	Update Document Control Database / Laminated Dwgs	N			
22	Update Grey Project / Electronic Binder PDF Files	Y	KJ		12.05.09 <i>[Signature]</i>
23	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		12.05.09 <i>[Signature]</i>
24					

### Description / Action:

Update BOM/routing for D3207 Rev. C

Drawing was updated to correct D3207-1F flat pattern. Dxf file was correct so D3207-1F made from existing Dxf file are OK.

Update BOM/routing for D412-704-043/-045 per DSI 9611 Rev. A

D412-704-011 @ CHG 003; -013 @ CHG 003; D412-704-015 @ CHG 002

Open D412-704-011/-013/-015 in stock replace AN3-13A with AN3-10A bolt per DSI 9611 Rev. A and update CHG # labels and red decals.

*[Handwritten notes:]*  
D412-704-045 #83662 updated.  
MF 12.05.09  
D412-704-011 x 1 #84129 - updated to chg 3 MF 12.05.09  
D412-704-015 x 1 #84243 " " chg 2 - MF 12.05.09  
D412-704-043 x 2 #84325  
Rework #84325  
Rework #84325  
Rework #84325

Rework D412-704-045 x 1  
#84327

Date: \_\_\_\_\_

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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